

ABSTRACT OF THE DISCLOSURE

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The invention relates to methods for producing polycyclic aromatic hydrocarbons, fullerenes, and nanotubes, comprising:

- a. heating at least one carbon-containing material to form a condensed phase comprising at least one polycyclic aromatic hydrocarbon;
- 10 b. collecting at least some of the condensed phase;
- c. reacting the condensed phase to form fullerenes and/or nanotubes.

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